

PTO/SB/21 (09-04)

HSL FW

TRANSMITTAL FORM <small>(to be used for all correspondence after initial filing)</small>	Application Number	09/745,825
	Filing Date	December 21, 2000
	First Named Inventor	CHISHTI, MUHAMMAD
	Art Unit	2671
	Examiner Name	VO, CLIFF N
	Attorney Docket Number	018563-002500US
Total Number of Pages in This Submission		

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard PTO/SB/08A & PTO/SB/08B 114 Reference Copies
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	Townsend and Townsend and Crew LLP	
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Printed name	James M. Heslin	
Date	August 17, 2005	Reg. No. 29,541

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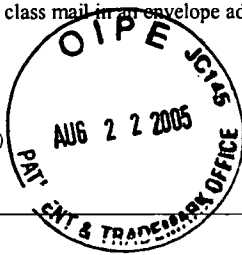
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TOWNSEND and TOWNSEND and CREW LLP

By: Jennifer O'Brien
Jennifer O'Brien



PATENT
Attorney Docket No.: 018563-002500US
Client Reference No.: AT-00097

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

CHISHTI, Muhammad et al.

Application No.: 09/745,825

Filed: December 21, 2000

For: CLINICIAN REVIEW OF AN
ORTHODONTIC TREATMENT PLAN
AND APPLIANCE

Customer No.: 46718

Examiner: VO, CLIFF N

Art Unit: 2671

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37
CFR §1.97 and §1.98

Commissioner for Patents
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Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references [in compliance with the requirements of 1287 OG 163] are enclosed.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

08/24/2005 CNGUYEN2 00000008 201430 09745825

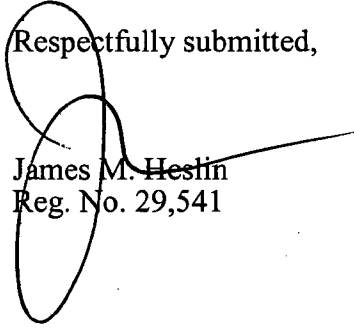
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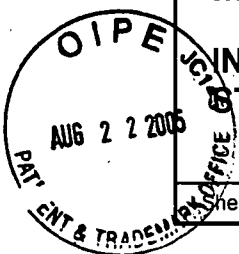
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Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,


James M. Heslin
Reg. No. 29,541

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 11

Complete if Known

Application Number	09/745,825
Filing Date	December 21, 2000
First Named Inventor	CHISHTI, MUHAMMAD
Art Unit	2671
Examiner Name	VO, CLIFF N
Attorney Docket Number	018563-002500US

U.S. PATENT DOCUMENTS+

Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/P.N./	1	3,407,500	10-29-1968	Kesling	
	2	3,600,808	08-24-1971	Reeve	
	3	3,683,502	08-15-1972	Wallshein.	
	4	3,983,628	10-05-1976	Acevedo	
	5	3,922,786	12-02-1975	Lavin	
	6	4,253,828	03-03-1981	Coles et al.	
	7	4,324,547	04-13-1982	Arcan et al.	
	8	4,500,294	02-19-1985	Lewis	
	9	4,526,540	07-02-1985	Dellinger	
	10	4,575,330	03-11-1986	Hull	
	11	4,591,341	05-27-1986	Andrews	
	12	4,609,349	09-02-1986	Cain	
	13	4,664,626	05-12-1987	Kesling	
	14	4,676,747	06-30-1987	Kesling	
	15	4,836,778	06-06-1989	Baumrind et al.	
	16	4,850,865	07-25-1989	Napolitano	
	17	4,877,398	10-31-1989	Kesling	
	18	4,880,380	11-14-1989	Martz	
	19	4,889,238	12-26-1989	Batchelor	
	20	4,890,608	01-02-1990	Steer	
	21	4,935,635	06-19-1990	O'Harra,	
	22	4,941,826	07-17-1990	Loran et al.	
	23	4,983,334	01-08-1991	Adell	
	24	5,125,832	06-30-1992	Kesling	
	25	5,131,844	07-21-1992	Marinaccio et al.	
	26	5,145,364	09-08-1992	Martz et al.	
	27	5,176,517	01-05-1993	Truax	
	28	5,440,326	08-08-1995	Quinn	
	29	5,528,735	06-18-1996	Strasnick et al.	
	30	5,562,448	10-08-1996	Mushabac	
	31	5,645,420	07-08-1997	Bergersen	
	32	5,692,894	12-02-1997	Schwartz et al.	
	33	5,725,376	03-10-1998	Poirier	
	34	5,725,378	03-10-1998	Wang	
	35	5,742,700	04-21-1998	Yoon et al.	
	36	5,799,100	08-25-1998	Clarke et al.	
	37	5,800,174	09-01-1998	Andersson	
	38	5,823,778	10-20-1998	Schmitt et al.	
	39	5,848,115	12-08-1998	Little et al.	
	40	5,857,853	01-12-1999	van Nifterick et al.	
/P.N./	41	5,866,058	02-02-1999	Batchelder et al.	
Examiner Signature	/Phu Nguyen/			Date Considered	09/29/2008

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
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		Number Kind Code ² (if known)			
/P.N./	42	5,879,158	03-09-1999	Doyle et al.	
	43	5,880,961	03-09-1999	Crump	
	44	5,880,962	03-09-1999	Andersson et al.	
	45	5,934,288	08-10-1999	Avila et al.	
	46	5,957,686	09-28-1999	Anthony	
	47	5,964,587	10-12-1999	Sato	
	48	5,971,754	10-26-1999	Sondhi et al.	
	49	6,015,289	01-18-2000	Andreiko et al.	
	50	6,044,309	03-28-2000	Honda	
	51	6,049,743	04-11-2000	Baba	
	52	6,062,861	05-16-2000	Andersson	
	53	6,068,482	05-30-2000	Snow	
	54	6,099,314	08-08-2000	Kopelman et al.	
	55	6,123,544	09-26-2000	Cleary	
	56	6,152,731	11-28-2000	Jordan et.al.	
	57	6,183,248	02-06-2001	Chishti et al.	
	58	6,190,165	02-20-2001	Andreiko et al.	
	59	6,217,334	04-17-2001	Hultgren	
	60	6,244,861	06-12-2001	Andreiko et al.	
	61	6,309,215	10-30-2001	Phan et al.	
	62	6,315,553	11-13-2001	Sachdeva et al.	
	63	6,322,359	11-27-2001	Jordan et al.	
	64	6,350,120	02-26-2002	Sachdeva et.al.	
	65	6,382,975	05-07-2002	Poirier	
	66	6,398,548	06-04-2002	Muhammad et al.	
	67	6,524,101	02-25-2003	Phan et al.	
	68	6,554,611	04-29-2003	Chishti et al.	
	69	2002/0006597	01-17-2002	Andreiko et al.	
/P.N./	70	RE 35169	03-05-1996	Lemchen et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
/P.N./	71	AU	517102		07-09-1981	Hito Suyehiro		<input type="checkbox"/>
	72	AU	3031677		05-10-1979	Hito Suyehiro		<input type="checkbox"/>
	73	AU	5598894		06-08-1994	Ormco Corp		<input type="checkbox"/>
	74	CA	1121955		04-20-1982	Suyehiro Hito		<input type="checkbox"/>
	75	DE	2749802		05-11-1978	Suyehiro Hito		<input checked="" type="checkbox"/>
/P.N./	76	DE	69327661		07-20-2000	Ormco Corp		<input checked="" type="checkbox"/>

Examiner Signature	/Phu Nguyen/	Date Considered	09/29/2008
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60563802 v1

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/P.N./	77	EP	0091876		10-19-1983	Duret		<input checked="" type="checkbox"/>
	78	EP	0299490		01-18-1989	Steinbichler		<input checked="" type="checkbox"/>
	79	EP	0376873		07-04-1990	Shafir		<input type="checkbox"/>
	80	EP	0490848		06-17-1992	Nobelpharma AB.		<input type="checkbox"/>
	81	EP	0541500		05-12-1993	Nobelpharma AB		<input type="checkbox"/>
	82	EP	0667753		08-23-1995	Ormco Corp		<input type="checkbox"/>
	83	EP	0774933		05-28-1997	Sandvik AB		<input type="checkbox"/>
	84	EP	0731673		09-18-1996	Nobel Biocare AB		<input type="checkbox"/>
	85	ES	463897		01-01-1980	Hito Suyehiro		<input type="checkbox"/>
	86	FR	2652256		03-29-1991	Jourda		<input checked="" type="checkbox"/>
	87	GB	1550777		08-22-1979	Hito Suyehiro		<input type="checkbox"/>
	88	JP	04-028359		01-30-1992	Mitsubishi Petrochemical Co		<input checked="" type="checkbox"/>
	89	JP	53-058191		05-25-1978	Yoshii		<input checked="" type="checkbox"/>
	90	JP	08-508174		09-03-1996	Ormco Corp		<input checked="" type="checkbox"/>
	91	WO	90/08512		08-09-1990	Dolphin Imaging System		<input type="checkbox"/>
	92	WO	91/04713		04-18-1991	Jourda et al.		<input type="checkbox"/>
	93	WO	98/32394		07-30-1998	Hultgren Bruce Willard		<input type="checkbox"/>
	94	WO	98/44865		10-15-1998	Nobel Biocare AB		<input type="checkbox"/>
/P.N./	95	WO	98/58596		12-30-1998	Align Technology Inc		<input type="checkbox"/>

Examiner Signature	/Phu Nguyen/	Date Considered	09/29/2008
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/P.N./	96	ALEXANDER et al., The DigiGraph Work Station Part 2, Clinical Management, JCO (July 1990), pp. 402-407.	
	97	ALTSCHULER et al, Measuring Surfaces Space-Coded by a Laser-Projected Dot Matrix, SPIE Imaging Applications for Automated Industrial Inspection and Assembly, Vol. 182 (1979), p. 187-191.	
	98	ALTSCHULER et al., "Analysis of 3-D Data for Comparative 3-D Serial Growth Pattern Studies of Oral-Facial Structures," IADR Abstracts, Program and Abstracts of Papers, 57th General Session, IADR Annual Session, March 29, 1979 - April 1, 1979, New Orleans Marriot, Journal of Dental Research, Vol. 58, January, 1979, Special Issue A, p. 221.	
	99	ALTSCHULER et al., Laser Electro-Optic System for Rapid Three-Dimensional (3D) Topographic Mapping of Surfaces, Optical Engineering, Vol. 20, No. 6, (1981), pp. 953-961.	
	100	ALTSCHULER, 3D Mapping of Maxillo-Facial Prosthesis, AADR Abstract #607, 1980, 2 pages total..	
	101	AMERICAN ASSOCIATION FOR DENTAL RESEARCH, Summary of Activities, March 20-23, 1980, Los Angeles, CA, p. 195.	
	102	ANDERSSON et al., Clinical Results with Titanium Crowns Fabricated with Machine Duplication and Spark Erosion, Acta Odontologica Scandinavica, Vol. 47 (1989), pp. 279-286.	
	103	ANDREWS, The Six Keys to Optimal Occlusion Straight Wire, Chapter 3, pp 13-24. 1980	
	104	BAUMRIND et al., A Stereophotogrammetric System for the Detection of Prosthesis Loosening in Total Hip Arthroplasty, NATO Symposium on Applications of Human Biostereometrics, July 9-13, 1978, SPIE, Vol. 166, pp. 112-123.	
	105	BAUMRIND et al., Mapping the Skull in 3-D, Reprinted from The Journal, California Dental Association, Vol. 48, No. 2 (1972 Fall Issue) 11 pages total.	
	106	BAUMRIND, "A System for Craniofacial Mapping Through the Integration of Data from Stereo X-Ray Films and Stereo Photographs," An invited paper submitted to the 1975 American Society of Photogram. Symposium on Close-Range Photogram. Systems, University of Ill., Aug. 26-30, 1975, pp. 142-166.	
	107	BAUMRIND, Integrated Three-Dimensional Craniofacial Mapping: Background, Principles, and Perspectives, Seminars in Orthodontics, Vol. 7, No. 4 (Dec. 2001), pp. 223-232.	
/P.N./	108	BEGOLE et al., A Computer System for the Analysis of Dental Casts, The Angle Orthodontist, Vol. 51 No. 3 (July 1981), pp. 253-259.	

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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.); date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
/P.N./	109	BERNARD et al., "Computerized Diagnosis in Orthodontics for Epidemiological Studies: A Progress Report, Paper presented at International Association for Dental Research 66th General Session, March 9-13, 1988, Montreal, Canada. The abstract is published in <i>J Dental Res Special Issue</i> Vol. 67, p. 169.		
	110	BHATIA et al, A Computer-Aided Design for Orthognathic Surgery, <i>British Journal of Oral and Maxillofacial Surgery</i> , Vol. 22 (1984), pp. 237-253.		
	111	BIGGERSTAFF et al., Computerized Analysis of Occlusion in the Postcanine Dentition, <i>American Journal of Orthodontics</i> , Vol. 61, No. 3 (Mar. 1972), pp. 245-254.		
	112	BIGGERSTAFF, Computerized Diagnostic Setups and Simulations, <i>The Angle Orthodontist</i> , Vol. 40, No. 1 (Jan. 1970), pp. 28-36.		
	113	BIOSTAR OPEATION & TRAINING MANUAL. Great Lakes Orthodontics, Ltd. 199 Fire Tower Drive, Tonawanda, New York. 14150-5890. 20 pages total 1980		
	114	BOYD et al., Three Dimensional Diagnosis and Orthodontic Treatment of Complex Malocclusions Wlith the Invisalign Appliance, <i>Seminars in Orthodontics</i> , Vol. 7, No. 4 (Dec. 2001), p. 274-293.		
	115	BRANDESTINI et al., Computer Machined Ceramic Inlays: In Vitro Marginal Adaptation, <i>Journal of Dental Research</i> , Vol. 64/Special Issue/Abstracts, IADR/AADR Abstracts 1985, p. 208		
	116	BROOK et al., An Image Analysis System for the Determination of Tooth Dimensions from Study Casts: Comparison with Manual Measurements of Mesio-distal Diameter, <i>J Dent Res.</i> , Vol. 65, No. 3, March 1986, pp. 428-431.		
	117	BURSTONE (interview), Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Part 1), <i>Journal of Clinical Orthodontics</i> , (1979 Jul), Vol. 13, No. 7, pp. 442-53.		
	118	BURSTONE (interview), Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Part 2), <i>Journal of Clinical Orthodontics</i> , (1979 Aug), Vol. 13, No. 8, pp. 539-51.		
	119	BURSTONE et al., Precision Adjustment of the Transpalatal Lingual Arch: Computer Arch Form Predetermination, <i>Am, Journal of Orthodontics</i> , Vol. 79, No. 2 (Feb. 1981), pp. 115-133.		
	120	CARDINAL INDUSTRIAL FINISHES, Powder Coatings information posted at http://www.cardinalpaint.com on Aug. 25, 2000, 2 pages total.		
	121	CHACONAS et al., The DigiGraph Work Station, Part 1, Basic Concepts, <i>JCO</i> (June 1990), pp. 360-367.		
/P.N./	122	CHAFETZ et al., Subsidence of the Femoral Prosthesis, A Stereophotogrammetric Evaluation, <i>Clinical Orthopedics and Related Research</i> , No. 201 (December 1985), pp. 60-67.		

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/P.N./	123	CRAWFORD, CAD/CAM in the Dental Office: Does It Work? <i>Canadian Dental Journal</i> , Vol. 57, No. 2 (Feb. 1991), pp. 121-123.	
	124	CRAWFORD, "Computers in Dentistry: Part 1: CAD/CAM: The Computer Moves Chairside," "Part 2: F. Duret — A Man With A Vision," "Part 3: The Computer Gives New Vision- Literally," "Part 4: Bytes 'N Bites" The Computer Moves From The Front Desk To The Operatory, <i>Canadian Dental Journal</i> , Vol. 54(9), (1988), pp. 661-666.	
	125	CROOKS, CAD/CAM Comes to USC, <i>USC Dentistry</i> , (Spring 1990) pp. 14-17.	
	126	CURRY et al., Integrated Three-Dimensional Craniofacial Mapping at the Craniofacial Research Instrumentation Laboratory/University of the Pacific, <i>Seminars in Orthodontics</i> , Vol. 7, No. 4 (Dec 2001), pp. 258-265.	
	127	CUTTING et al., Three-Dimensional Computer-Assisted Design of Craniofacial Surgical Procedures: Optimization and Interaction with Cephalometric and CT-Based Models, <i>Plastic and Reconstructive Surgery</i> , Vol. 77, No. 6 (June 1986). pp. 877-885.	
	128	DCS Dental AG, The CAD/CAM 'DCS Titan System' for Production of Crowns/Bridges, DSC Production AG, Jan. 1992, pp. 1-7.	
	129	DEFranco et al., Three-Dimensional Large Displacement Analysis of Orthodontic Appliances, <i>J. Biomechanics</i> , Vol. 9 (1976), pp. 793-801.	
	130	DENTAL INSTITUTE UNIVERSITY OF ZURICH SWITZERLAND, Program for International Symposium on Computer Restorations: State of the Art of the CEREC-Method, May 1991, 2 pages total.	
	131	DENTRAC CORPORATION, Dentrac document, pp. 4-13. 1980	
	132	DENT-X posted at http://www.dent-x.com/DentSim.htm 09/24/98, 6 pages total.	
	133	DOYLE, Digital Dentistry, <i>Computer Graphics World</i> , Oct. 2000 pp. 50-52, 54.	
	134	DURET et al, CAD-CAM in Dentistry, <i>Journal of the American Dental Association</i> , Vol. 117 (Nov. 1988), pp. 715-720.	
	135	DURET et al., CAD/CAM Imaging in Dentistry, <i>Current Opinion in Dentistry</i> , Vol. 1 (1991), pp. 150-154.	
	136	DURET, The Dental CAD/CAM, General Description of the Project, <i>Hennson International Product Brochure</i> , Jan. 1986., 18 pages total.	
/P.N./	137	DURET, Vers Une Prothese Informatisee, (English translation also attached), <i>Tonus</i> , Vol. 75, (Nov. 15, 1985), pp. 55-57.	

Examiner Signature	/Phu Nguyen/	Date Considered	09/29/2008
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/P.N./	138	ECONOMIDES, The Microcomputer in the Orthodontic Office, JCO, (Nov. 1979), pp. 767-772.	
	139	ELSASSER, Some Observations on the History and Uses of the Kesling Positioner, Am. J. Orthod. (1950) 36:368-374.	
	140	FABER et al., Computerized interactive orthodontic treatment planning, Am. J. Orthod., Vol. 73, No. 1 (Jan. 1978), pp. 3646.	
	141	FELTON et al. A Computerized Analysis of the Shape and Stability of Mandibular Arch Form, Am. Journal of Orthodontics and Dentofacial Orthopedics, Vol. 92, No. 6 (Dec. 1987), pp. 478-483.	
	142	FRIEDE et al., Accuracy of Cephalometric Prediction in Orthognathic Surgery, Abstract of Papers, Journal of Dental Research, Vol. 70 (1987), pp. 754-760.	
	143	FÜTTERLING et al., "Automated Finite Element Modeling of a Human Mandible with Dental Implants," WSCG '98 -Conference Program, retrieved from the Internet: 1998 <<http://wscg.zcu.cz/wscg98/papers98/Strasser_98.pdf.>>, 8 pages total.	
	144	GIM-ALLDENT Deutschland, Das DUX System: Die Technik 2 pages total. 1980	
	145	GOTTLEIB et al., "JCO Interviews Dr. James A. McNamara, Jr., on the Frankel Appliance: Part 2: Clinical Management," Journal of Clinical Orthodontics, Vol. 16, No. 6, (June 1982) pp. 390-407	
	146	GRAYSON, New Methods for Three Dimensional Analysis of Craniofacial Deformity, Symposium: Computerized Facial Imaging in Oral and Maxillofacial Surgery, AAOMS Sept 13, 1990, 3 pages total.	
	147	GUESS et al., Computer Treatment Estimates In Orthodontics and Orthognathic Surgery, JCO, (April, 1989), pp. 262-28.	
	148	HEAVEN et al., Computer-based Image Analysis of Artificial Root Surface Caries, Abstracts of Papers, Journal of Dental Research, Vol. 70, April 17-21, 1991, p. 528.	
	149	HOFFMANN et al., Role of Cephalometry for Planning of Jaw Orthopedics and Jaw Surgery Procedures, (Article Summary In English, article in German), Informatbnen, (March 1991), pp. 375-396.	
	150	HOJJATIE et al., "Three-Dimensional Finite Element Analysis of Glass-Ceramic Dental Crowns," J Biomech. (1990) Vol. 23, No. 11, pp. 1157-1166.	
	151	HUCKINS, CAD-CAM Generated Mandibular Model Prototype from MRI Data, AAOMS 1999, p. 96.	
/P.N./	152	JCO Interviews, Craig Andreiko, DDS, MS on the Elan and Orthos Systems, JCO, (Aug. 1994), pp. 459-468.	

Examiner Signature	/Phu Nguyen/	Date Considered	09/29/2008
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/P.N./	153	JCO Interviews, Dr. Homer W. Phillips on Computers in Orthodontic Practice, Part 2, JCO, (Dec. 1983), pp. 819-831.	
	154	JERROLD, The Problem, Electronic Data Transmission and the Law, AJO-DO, (Apr. 1988), pp. 478-479.	
	155	JONES et al., An Assessment of the Fit of a Parabolic Curve to Pre- and Post-Treatment Dental Arches, British Journal of Orthodontics, Vol. 16 (1989), pp. 85-93.	
	156	KAMADA et al., Case Reports On Tooth Positioners Using LTV Vinyl Silicone Rubber, J. Nihon University School of Dentistry (1984) 26(1): 11 -29.	
	157	KANAZAWA et al., Three-Dimensional Measurements of the Occlusal Surfaces of Upper Molars in a Dutch Population, J. Dent Res., Vol. 63, No. 11 (Nov. 1984), pp. 1298-1301.	
	158	KLEEMAN et al., The Speed Positioner, J. Clin. Orthod. (1996) 30:673-680.	
	159	KUNII et al., Articulation Simulation for an Intelligent Dental Care System, Displays (1994) 15:181-188.	
	160	LAURENDEAU et al, A Computer-Vision Technique for the Acquisition and Processing of 3-D Profiles of Dental Imprints: An Application in Orthodontics, IEEE Transactions on Medical Imaging, Vol. 10, No. 3 (Sept. 1991), pp. 453-461.	
	161	LEINFELDER et al, A New Method for Generating Ceramic Restorations: a CAD-CAM system, Journal Of The American Dental Assoc, Vol. 118, No. 6 (Jun. 1989), pp. 703-707.	
	162	MANETTI et al., Computer-aided Cefalometry and New Mechanics in Orthodontics (Article Summary in English, article in German), Fortschr. Kieferorthop. 44, 370-376 (Nr. 5), 1983	
	163	MCCANN, Inside the ADA, Journal Of The American Dental Assoc, Vol. 118 (March 1989) pp. 286-294.	
	164	MCNAMARA et al, Orthodontic and Orthopedic Treatment in the Mixed Dentition, Needham Press, January 1993. pp.347-353.	
	165	MCNAMARA et al, Invisible Retainers, J. Clinical Orthodontics, (August 1985) pp. 570-578.	
	166	MOERMANN et al, Computer Machined Adhesive Porcelain Inlays: Margin Adaptation after Fatigue Stress, IADR Abstract 339, Journal of Dental Research, Vol. 66(a) (1987), p. 763.	
	167	MÖRMANN et al., "Marginale Adaptation von adhäsiven Porzellaninlays in vitro," Separatdruck aus: Schweiz. Mschr. Zahnmed. 95: 1118-1129, 1985.	
/P.N./	168	NAHOUM, "The Vacuum Formed Dental Contour Appliance," The New York State Dental Journal, (November 1964) Vol. 30, No. 9, pp. 385-390	

Examiner Signature	/Phu Nguyen/	Date Considered	09/29/2008
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/P.N./	169	NASH, CEREC CAD/CAM Inlays: Aesthetics and Durability in a Single Appointment, <i>Dentistry Today</i> , (October 1990), pp. 20, 22-23, 54.	
	170	PINKHAM, 'Foolish' Concept Propels Technology, <i>Dentist</i> , Jan./Feb. 1989, 3 pages total.	
	171	PINKHAM, Inventor's CAD/CAM May Transform Dentistry, <i>Dentist</i> , Sept. 1990, 3 pages total.	
	172	PONITZ, Invisible Retainers, <i>Am J. Orthod.</i> , Vol 59, No. 3 (March 1971) pp. 266-272	
	173	PROCERA RESEARCH PROJECTS, PROCERA Research Projects 1993 — Abstract Collection, 1993, pp. 3-28.	
	174	TRU-TAIN ORTHODONTIC & DENTAL SUPPLIES, Product Brochure, Rochester, Minnesota 55902, 16 pages total. 1980	
	175	PROFFIT et al, <i>Contemporary Orthodontics</i> (Second Ed.) Chapter 15, Mosby Inc, (October 1992), pp 470-533	
	176	RAINTREE ESSIX & ARS MATERIALS, INC., Raintree Essix, Technical Magazine Table of contents and Essix Appliances, http:// www.essix.com/magazine/default.html Aug. 13, 1997, 7 pages.	
	177	REDMOND et al. Clinical Implications of Digital Orthodontics, <i>Am. J. Orthodont. Dentofacial Orthopedics</i> , Vol. 117 No. 2 (2001), pp. 240-242.	
	178	REKOW et al., "CAD/CAM for Dental Restorations - Some of the Curious Challenges," <i>IEEE Transactions on Biomedical Engineering</i> , (April 1991) Vol. 38, No. 4, pp. 344-345.	
	179	REKOW et al., "Comparison of Three Data Acquisition Techniques for 3-D Tooth Surface Mapping," <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , (1991) Vol. 13, No. 1, pp. 344-345.	
	180	REKOW, A Review of the Developments in Dental CAD/CAM Systems, (contains references to Japanese efforts and content of the papers of particular interest to the clinician are indicated with a one-line summary of their content in the bibliography), <i>Curr Opin Dent.</i> (1992 Jun) Vol. 2, pp. 25-33.	
	181	REKOW, CAD/CAM in Dentistry: A Historical Perspective and View of the Future, <i>J Can Dent Assoc</i> , Vol. 58 No. 4, (April 1992), pp. 283, 287-288.	
	182	REKOW, Computer-Aided Design and Manufacturing in Dentistry: A Review of the State of the Art, <i>The Journal of Prosthetic Dentistry</i> , Vol. 58, No. 4 (Oct. 1987), pp. 512-516.	
/P.N./	183	REKOW, Dental CAD-CAM Systems: What is the State of the Art? <i>Journal of the American Dental Assoc</i> , Vol. 122 (1991), pp. 43-48.	

Examiner Signature	/Phu Nguyen/	Date Considered	09/29/2008
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/P.N./	184	REKOW, Feasibility of an Automated System for Production of Dental Restorations, PhD Thesis, Univ. of Minnesota, Nov. 1988, 244 pages total,	
	185	RICHMOND et al., The Development of the PAR Index (Peer Assessment Rating): Reliability and Validity, <i>European Journal of Orthodontics</i> (1992) 14:125-139.	
	186	RICHMOND et al., Research Reports, The, Development of a 3D Cast Analysis System, <i>British Journal of Orthodontics</i> , pp. 53-54. 1980	
	187	RICHMOND, Recording The Dental Cast In Three Dimensions, <i>Am. J. Orthod. Dentofac. Orthop.</i> , Vol. 92, No. 3, (Sept. 1987), pp.199-206.	
	188	RUDGE, Dental arch analysis: arch form, A review of the literature, <i>European Journal of Orthodontics</i> , Vol. 3, No. 4 (1981), pp.279-284.	
	189	SAKUDA et al., Integrated Information-Processing System In Clinical Orthodontics: An Approach with Use of a Computer Network System, <i>Am. J. Orthod. Dentofac. Orthop.</i> Vol. 101 No. 3 (March 1992), pd. 210-220.	
	190	SHELLHAS et al., Three-Dimensional Computed Tomography in Maxillofacial Surgical Planning, <i>Arch Otolamgol Head Neck Surg.</i> Vol. 114 (April 1988), pp. 438-442.	
	191	SCHROEDER et al., Eds. The Visual Toolkit, Prentice Hall PTR, New Jersey (1998) Chapters 6, 8 & 9, (pages 153-210, 309-354, and 355-428, respectively).	
	192	SHILLIDAY, (1971). Minimizing finishing problems with the mini-positioner, <i>Am. J. Orthod.</i> 59:596-599.	
	193	SIEMENS, CEREC - Computer-Reconstruction, High Tech in der Zahnmedizin, 14 page total. 1980	
	194	SINCLAIR, "The Readers' Corner," <i>Journal of Clinical Orthodontics</i> , Vol 26, No. 6, (June 1992) pp. 369-372	
	195	SIRONA DENTAL SYSTEMS GmbH, CEREC 3D, <i>Manuel utilisateur</i> , Version 2.0X (in French), 2003, 114 pages total.	
	196	STOLL et al., Computer-aided Technologies in Dentistry (Article Summary in English, article in German), <i>Dtsch Zahna'rztl Z</i> 45, 314-322, 1990.	
	197	U.S. Department of Commerce, National Technical Information Service, Automated Crown Replication Using Solid Photography SM, Solid Photography Inc. Melville NY, October 1977, 20 pages total.	
	198	U.S. Department of Commerce, National Technical Information Service, Holodontology: An Introduction to Dental Laser Holography, School of Aerospace Medicine Brooks AFB Tex, March 1973, 37 pages total.	
/P.N./	199	U.S. Provisional Patent Application No. 60/050342, filed on June 20, 1997, 41 pages total.	

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/P.N./	200	VAN DER LINDEN et al., Three-Dimensional Analysis of Dental Casts by Means of the Optocom, <i>J Dent Res</i> , July-August 1972, p. 1100.		
	201	VAN DER LINDEN, A New Method to Determine Tooth Positions and Dental Arch Dimensions, <i>J Dent Res</i> , July-August 1972, Vol. 51, No. 4, p. 1104.		
	202	VAN DER ZEL, Ceramic-fused-to-metal Restorations with a New CAD/CAM System, <i>Quintessence International</i> , Vol. 24, No. 11 (1993), pp. 769-778.		
	203	VARADY et al., Reverse Engineering Of Geometric Models—An Introduction, <i>Computer-Aided Design</i> , 29 (4):255-268, 1997.		
	204	WARUNEK et al., Clinical Use of Silicone Elastomer Appliances, <i>JCO</i> (1989) XXIII(10):694-700		
	205	WILLIAMS, Dentistry and CAD/CAM: Another French Revolution, <i>Journal of Dental Practice Admin.</i> , Jan./March 1987, pp. 2-5.		
	206	WILLIAMS, The Switzerland and Minnesota Developments in CAD/CAM, <i>Journal of Dental Practice Admin.</i> , pp. 50-55, April/June 1987.		
	207	WISHAN, New Advances in Personal Computer Applications for Cephalometric Analysis, Growth Prediction, Surgical Treatment Planning and Imaging Processing, Symposium: Computerized Facial Imaging in Oral and Maxillofacial Surgery Presented on September 13, 1999		
	208	YAMAMOTO et al., Optical Measurement of Dental Cast Profile and Application to Analysis of Three-Dimensional Tooth Movement in Orthodontics, <i>Frontiers in Med. and Biol. Eng'g</i> , Vol. 1, No. 2 (1988), pp. 119-130.		
/P.N./	209	YAMAMOTO et al., Three-Dimensional Measurement of Dental Cast Profiles and Its Applications to Orthodontics, <i>Annual Int'l Conf. of IEEE Engineering in Medicine and Biology Society</i> , Vol. 12, No. 5 (1990), pp. 2051-2053		

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